Application No: 10/810,019

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IN THE CLAIMS

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Please amend the claims as follows:

1. (currently amended) An electrochemical device, comprising:

an electrolyte including a polysiloxane having a backbone that includes terminal silicons and non-terminal silicons,

the backbone including one or more terminal silicons linked to at least one side chain that includes a carbonate moiety,

a portion of the silicons being linked to a side chain that includes a poly(alkylene oxide) moiety.

- 2. (canceled)
- 3. (previously presented) The device of claim 1, wherein the carbonate moiety is a cyclic carbonate moiety.
- 4. (currently amended) The device of claim 1, wherein at least one of the terminal silicons is linked to the side chain that includes the carbonate moiety a second one and another of the terminal silicons is one of the silicons that is linked to the at least one side chain that includes the a poly(alkylene oxide) moiety.
- 5. (currently amended) The device of claim 4, wherein an organic spacer is positioned between the poly(alkylene oxide) moiety and the backbone second one of the terminal silicons.
- 6-8. (canceled)
- 9. (previously presented) The device of claim 1, wherein each terminal silicon is linked to at least one side chain that includes the carbonate moiety.

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- 10. (previously presented) The device of claim 9, wherein each non-terminal silicon is linked to at least one side chain that includes a poly(alkylene oxide) moiety.
- 11. (canceled)
- 12. (previously presented) The device of claim 1, wherein the at least one side chain includes an oxygen linked to a silicon on the backbone.
- 13. (previously presented) The device of claim 1, wherein the polysiloxane is represented

where R is alkyl or aryl; R1 is alkyl or aryl;

at least one of the
$$R_3$$
 is represented by:

 $(CH_2)q-O$

and the other

$$-R_9 - CH_2 - CH - O = R_8$$

$$p$$

$$CH_2 - CH - O = R_8$$

$$p$$

$$CH_2 - O = O$$

$$CH_2 - O = O$$

R₃ is represented by:

R₄ is a cross link that links the polysiloxane backbone to another polysiloxane backbone;

$$-R_{9} - \left[CH_{2} - CH - O\right] R_{8}$$

R₅ is represented by: